

414 1303 PCT/PTO 0 1 DEC 2000

09/701804

cket No. : **FE-12PCT**
S. Application No. :
ternational Application No. : **PCT/CH00/00192**
ternational Filing Date : **April 3, 2000**
iority Date Claimed : **April 3, 1999**
tle of Invention : **METHOD FOR PRODUCING FRANKING MARKINGS**
plicant(s) for (DO/EO/US) : **Plinico Meyer**

applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- ☒ This express request to begin national examination procedures 35 U.S.C. 371 (f) at any time rather than delay examination until the expiration of the applicable time limit set forth in 35 U.S.C 371(b) and PCT Articles 22 and 39(1).
- ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date
- ☒ A copy of the International Application as filed [35 U.S.C. 371(c)(2)].
- a) ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
- b) ☐ has been transmitted by the international Bureau.
- c) ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☒ A translation of the International Application into English [35 U.S.C.371(c)(2)].
- ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C.371(c)(3)].
- a) ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
- b) ☐ have been transmitted by the International Bureau.
- c) ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
- d) ☐ have not been made and will not be made.
- ☐ A translation of the amendments to the claims under PCT Article 19 [35 U.S.C.371(c)(3)].
- ☒ An oath or declaration of the inventor(s) [35 U.S.C.371(c)(4)]. **UNSIGNED**
- ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C 371(c)(5)]

ms 11. to 16. below concern other document(s) or information included:

- ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 198.
- ☐ An Assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- ☒ A **FIRST** preliminary amendment.
- ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
- ☐ A substitute specification.
- ☐ A change of power of attorney and/or address letter.
- ☒ (other items or information) **Four sheets of drawings, PTO-1449 w/4 references and International Search Report**

ESS MAIL No.: EL 670 216 623 US Deposited: December 1, 2000

reby certify that this correspondence is being deposited with the United States Postal Service Express mail under 37 CFR 1.10 on date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC 20231.


Friedrich Kueffner

December 1, 2000
Date

525 Rec'd PCT/PTO 01 DEC 2000

☒ The following fees are submitted:

BASIC NATIONAL FEE [37 CFR 1.492(a)(1)-(5)]:

- ☒ Search Report has been prepared by the EPO or JPO..... \$ 860.00
- ☐ International preliminary examination fee paid to USPTO [37 CFR 1.482]:..... \$ 690.00
- ☐ No International preliminary examination fee paid to USPTO [37 CFR 1.482]
but International search fee paid to USPTO [37CFR 1.445(a)(2)]: \$ 710.00
- ☐ Neither International preliminary examination fee [37 CFR 1.482] nor
International search fee [37 CFR 1.445(a)(2)] paid to USPTO:..... \$ 1000.00
- ☐ International preliminary examination fee paid to USPTO [37 CFR 1.482]
and all claims satisfied provisions of PCT Article 33 (2) to (4):..... \$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT: \$ 860.00

Charge of \$ 130.00 for furnishing the oath or declaration later than 20 30 months
from the earliest claimed priority date [37 CFR 1.492(e)]

Claims	filed	Extra	Rate
Total Claims	14	-20=	x \$ 18 =
Indep. Claims	1	- 3=	x \$ 80 =
Multiple Dependent Claims (if applicable) + \$ 270.=			

TOTAL OF ABOVE CALCULATIONS: \$ 860.00

Reduction by 1/2 for filing by small entity, if applicable.
SMALL ENTITY IS CLAIMED.

(divided by 2) 430.00

SUBTOTAL: \$ 430.00

Processing fee of \$ 130.00 for furnishing the English translation later than X 20 30 months
from the earliest claimed priority date [37 CFR 1.492(f)]

TOTAL NATIONAL FEE: \$ 430.00

For recording the enclosed assignment [37 CFR 1.21(h)] the assignment must be
accompanied by an appropriate cover sheet [37 CFR 3.28,3.31]. \$ 40.00 per property

TOTAL FEES ENCLOSED: \$ 430.00

AMOUNT TO BE REFUNDED: Refunded \$

AMOUNT TO BE CHARGED: Charged \$

a) ☒ A check in the amount of \$ 430.00 to cover the above fees is enclosed.b) ☐ Please charge my Deposit Account No. 11-1835 in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.c) ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 11-1835. A duplicate copy of this sheet is enclosed.Note: Where an appropriate time limit under 36 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must
be filed and granted to restore the application to pending status.

ALL CORRESPONDENCE TO:

Friedrich Kueffner
342 Madison Avenue
Suite 1921
New York, NY 10173

Friedrich Kueffner


signature
29,482
Reg. No.December 1, 2000
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

FE-12PCT

Applicant(s) : Plinico Meyer
Serial No. : NOT YET KNOWN (PCT/CH00/00192)
Int. Filed : April 3, 2000
For : METHOD FOR PRODUCING FRANKING MARKINGS

Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R:

In advance of the first office action, please amend the claims
as follows:

IN THE CLAIMS

Claim 1, line 3, change "characterized in that" to --wherein--.

Claim 2, line 1, change "characterized in that" to --wherein--.

Claim 3, line 1, change "one of the claims 1 or 2,"
to --claim 1,--;
line 2, change "characterized in that" to --wherein--.

Claim 4, line 1, change "one of the claims 1 to 3,"
to --claim 1,--;
line 2, change "characterized in that" to --wherein--.

Claim 5, line 1, change "one of the claims 1 to 4,"
to --claim 1,--;
line 2, change "characterized in that" to --wherein--.

Claim 6, line 1, change "one of the claims 1 to 5,"
to --claim 1,--;
line 2, change "characterized in that" to --wherein--.

Claim 7, line 1, change "one of the claims 1 to 6,"
to --claim 1,--;
line 2, change "characterized in that" to --wherein--.

Claim 8, line 1, change "characterized in that" to --wherein--.

Claim 9, line 1, delete "one of";
line 2, change "the claims 1 to 8, characterized in
that" to --claims 1, wherein--.

Claim 10, line 1, change "characterized in that" to --wherein--.

Claim 11, line 1, change "claim 9 or 10, characterized in"
to --claim 9, wherein--.
line 2, delete "that".

Claim 12, line 1, change "one of the claims 8 to 11,"
to --claim 8,--;
line 2, change "characterized in that" to --wherein--.

Claim 13, line 1, change "one of the claims 8 to 12,"
to --claim 8,--;
line 2, change "characterized in that" to --wherein--.

Claim 14, line 1, change "characterized in that" to --wherein--.

REMARKS

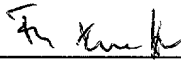
Claims 1 - 14 are in the application.

As a result of the foregoing amendment, the claims have been amended to remove improper multiple dependencies.

Any additional fees or charges required at this time in connection with the application may be charged to our Patent and Trademark Office Deposit Account No. 11-1835.

Respectfully submitted,

FK:ml
December 1, 2000
342 Madison Avenue
New York, NY 10173
(212) 986-3114



Friedrich Kueffner
Reg. No. 29,482

EXPRESS MAIL No.: **EL 670 216 623 US** Deposited: **December 1, 2000**

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Friedrich Kueffner

4/ppts

09/701804
525 Rec'd PCT/PTO 01 DEC 2000

Translation of WO 00/60545 (PCT/CH00/00192)

FRAMA AG

CH-3438 Lauperswil

Method for Producing Franking Markings

The invention relates to a method for producing franking markings by printing on a provided support material.

In the past, postage stamps and comparable franking markings have been offered and sold by the vendor always as finished products for use by the customer but, with respect to their graphic design and artistic/image-related contents, unchangeable by the customer.

The postage stamp business in the past has therefore been inaccessible with regard to many new technologies and business applications. There was also no possibility to react as fast as possible to special events in society, in the business environment, and in leisure time.

It is therefore an object of the present invention to eliminate the aforementioned disadvantages and to propose a method and a device which make it possible for the user or customer to participate in the design of franking markings, in particular, in the case of postage stamps.

The method and the devices should be designed such that they can be operated and used market-oriented as industrially useful means by the vendors of franking markings.

According to the invention this object is solved in that a text, selected from individual suggestions and/or individually designed, and/or an image or images are generated by input means and transferred onto the support material for printing.

In view of the inventive concept and based on the general knowledge in communication and data processing, far-reaching technological applications within the context of the present invention can be realized and the gained advantages relative to the prior art can be determined in retrospect.

The present invention does not concern a presumed illegal violation of the design of franking markings made available through the vendor but instead provides an interactive design possibility for the customer officially offered by the vendor during the production of franking markings or a series of same or different franking markings.

In contrast to the edition number of conventionally produced, i.e., finish-printed postage stamps of a certain franking value produced outside of the vending location, a series is a smaller edition number.

The term franking marking is meant to include primarily postage stamps or similarly designed adhesive labels with an official character or a character having a similar effect (coupons, admission ticket and the like of private companies, for example, freight companies, retail businesses, sporting facilities and the like).

This method according to the invention and the device according to the invention combine for the first time in the field of franking markings the always present aspiration of the customer in regard to individuality and interactive design with modern technology that is easy to operate.

The following economically important and technically realizable advantages are provided by the method according to the invention and the device, in particular, in comparison to the known franking marking creations or dispensing devices:

- a) Firms or persons can employ the official franking marking as an individual advertisement carrier;
- b) The potent users can address current events with a speed that has not been available in the past and, for example, by means of a letter or a card with an individually designed postage stamp with the imprint "Congratulations on ..." participate in the event.
- c) A completely new collection effect is made available for the postage stamp collectors. They can, inter alia, collect postage stamps with designs created according to their imagination or with photos of animals.
- d) The vendor can make available a portion or the entire freely designable space of a postage stamp. Products of the post office thus have access to an attractive advertisement platform.

- e) A quickly invented slogan, coupled with a voluntary or automatically calculated surcharge on the postage stamp, allows a directed financial support.
- f) The method according to the invention as well as the corresponding device can be coupled without problems with the Internet and are thus available for a worldwide use. This means, it is possible to design on a home PC one's own stamps and to produce them with authorization through the external post office facility.
- g) The owners of devices according to the invention, in general, post offices or post office substations, can make available, for a fee or without a fee, these devices as an attraction to their customers for designing their own franking markings.

The method according to the invention and the device will be explained in more detail in the following with the aid of one embodiment. It is shown in:

Fig. 1 a front view of the device according to the invention;

Fig. 2 a side view of the device illustrated in Fig. 1;

Fig. 3 a surface of a touch screen in an exemplary fashion with selectable texts in combination with an image and the image of a person;

Fig. 4 a surface of a touch screen with selectable text proposals and images; and

Fig. 5 one embodiment of the device as a self-service postage stamp vending machine.

The Figs. 1 and 2 show a device 20 for performing the method according to the invention which is usable as a postage stamp vending machine and is designed for producing individually designed postage stamps.

The device is comprised of a housing 9 in the form of a cylinder slantedly cut at the top and providing an interactive operating surface. The foot of the housing 9 has a step 7 for children. The step 7 can be moved into the interior of the cylinder. Material and production technology for the cylinder body 9 can be freely selected in a wide range by a person skilled in the art. In the slanted interactive operating surface a touch screen 1 (contact monitor) or a similarly acting operating device is installed. The lens of a digital camera 2, whose viewing orientation and, in any case, angle of view are preferably adjustable, projects above the operating surface.

In the interior of the housing, inter alia, a computer 3 in the form of a PC is provided which is connected with the touch screen 1, the camera 2, the printer 4 as well as coin changer or cash register 10. The printer 4 receives paper that is fresh or pre-printed or clean and/or provided with an adhesive layer at the back from a paper roll 5. The coin changer 10 is supplied via a coin or

bill feed slot 8 and returns change via a postage stamp and/or change dispensing location.

All aforementioned elements (housing 9, step 7, touch screen 1, digital camera 6, printer 4, computer 3, and cash register or coin changer 10 and the like) are in themselves commercial products. Since they are generally known and because of the pertinent experience with regard to the use and mutual circuit connections via interfaces which generally are defined internationally or application-specifically, these aspects are not explained in more detail.

The manufacturing method according to the invention can be realized as follows. The site authorized for vending franking markings prepares a basic design of the postage stamp. It comprises the entire surface area available for the franking marking as well as additionally the legally required information with regard to value, identification, and safety elements and the like and has a free field, i.e., a field made available for printing individual information. The size of this field or these fields is not relevant. It can also comprise one or several edges of the franking markings so that, for example, an already pre-printed object or slogan that is no longer desired can be simply cut away (compare touch screen of Figs. 3 and 4), wherein the remaining part, i.e., the actual "official" postage stamp, can still be used as official legal tender.

Before using the device, the customer inserts or pushes a certain amount into the coin or bill slot. This amount is indicated on the touch screen under the display "Credit". In the alternative, the

customer may also use a credit card, the device being designed for its use. Now the customer selects or determines via the menu displayed on the touch screen the franking value of the franking marking to be produced, the number of markings to be printed, and one or more of the provided slogans. If no such slogan pleases the customer, according to a particular embodiment, the customer can call up a keyboard on the screen and can enter his own text via the keyboard. It is also conceivable that he enters via Internet or hardware data carrier (diskette or the like) his own text/image into the PC. The latter displays this text/image on the touch screen. The PC displays the selected text/image on the available space within the basic design of the postage stamp displayed on the touch screen. Should the customer be satisfied with the result of his own creation/composition according to the monitor representation, he will press the zone of the touch screen identified by the lettering "Print" and the printer prints the desired number of created postage stamps. Otherwise, the customer is provided with editing functions via software.

Instead or in addition to a slogan or otherwise produced images (monochrome or color in digital technology), the customer can also produce on site a photo of himself, of another person, or of an object. He controls as desired the viewing orientation of the camera optic provided in the device via the camera image shown on the touch screen and then takes a picture by actuating the camera symbol provided on the screen surface for this purpose. If the taken picture does not satisfy, the customer can activate the camera release via the screen once or multiple times.

As described above, the franking marking image is generated, based on controlled predetermined data of the entity authorized to sell postage stamps, with interactive input by the postage stamp buyer. Based on his desires and imagination, the customer interactively adds text or graphic elements via the touch screen into the franking marking image always appearing on the touch screen online and being in the process of creation.

In principle, the provider of the device pre-selects freely, by means of the software accessible by the customer and affecting the internal processing of the hardware, which services at which price he will offer to the customer. In this connection it is only important that the provider also supplies the basic design of the franking marking. The entire programming required for these steps is purely a standard work product in view of today's software instruments. For example, images can be processed in the PC via Twain standard and texts via Word or a different software. Also known is the software required for the dialogue with the touch screen. Of course, the embodiment illustrated in the Figures is to be understood as an example only and can be changed as desired within the frame of knowledge available to a person skilled in the art. This includes, inter alia, the selection possibilities of the operating language as well as of the language of the stored slogans; the processing of retouching a photo with respect to sharpness, color, and contrast; the input of other texts and slogans; the selection of other fonts; the division of the field of the postage stamp available for free design into partial fields of any desired shape; the application of lines or other auxiliary means on the postage stamps which facilitate subsequent separation of the individual areas from the official portion. Conceivable are

also auxiliary means such as changing of the size of the photo (by zooming) or the overlay and underlay of photos and texts. Of course, a text or another object can be input via the camera. This, for example, may be very relevant. It is also conceivable that the basic design of the postage stamp provided by the post office can vary as a function of the postage stamp value.

In regard to the device, favorable embodiments are also conceivable in which one or more of the elements (for example, camera, coin changer) are eliminated. In a minimalized embodiment, the housing and printer can be the only required elements. For example, the PC can be replaced by a freely programmable or even fixedly programmed control electronic and the touch screen by discrete inputting elements, for example, switches.

The device 20, as is illustrated in Fig. 5, can be made available for self-service or can be integrated into mailing devices or postage meter machines.

Claims

1. A method for producing franking markings by printing on a provided support material with text and/or image, characterized in that a text, selectable from proposals and/or designed according to individual imagination, and/or an image or images are generated by input means of a computer and are transferred to the support material for printing one or more franking markings.
2. The method according to claim 1, characterized in that the selected proposals and/or the individually designed text and/or images can be displayed, acquired and/or changed on a screen or touch screen.
3. The method according to one of the claims 1 or 2, characterized in that the generation of the franking marking is realized by means of a keyboard and/or by means of a touch screen on the latter or a screen.
4. The method according to one of the claims 1 to 3, characterized in that the generation of the franking marking is carried out by self-service.
5. The method according to one of the claims 1 to 4, characterized in that a franking value, which is freely selectable or determined by the selection of a destination, can be displayed and integrated into the franking marking image.

6. The method according to one of the claims 1 to 5, characterized in that an image and/or a text can be read by means of a camera and can be positioned within the franking marking image.
7. The method according to one of the claims 1 to 6, characterized in that, after generation of the franking marking, the printing process for the franking marking and optionally the release of the change or a request for a further generation of franking markings is triggered by selecting a control key or a switching surface displayed on the touch screen.
8. The method according to claim 7, characterized in that the printing process is actuated only after checking whether a sufficient credit amount is available.
9. A device (20) for performing the method according to one of the claims 1 to 8, characterized in that it is comprised of an input means for actuating the printer (4) connected to a computer (3).
10. The device (20) according to claim 9, characterized in that it comprises a camera (2), for example, a digital camera, connected to the input means and the computer (3).
11. The device (20) according to claim 9 or 10, characterized in that it comprises a keyboard and/or a touch screen (1) for actuation.

12. The device (20) according to one of the claims 8 to 11, characterized in that it is designed for self-service and comprises a cash register/money changing device (10) connected to the computer (3).
13. The device (20) according to one of the claims 8 to 12, characterized in that it is formed as a franking marking vending machine, especially a postage stamp vending machine.
14. The device (20) according to claim 13, characterized in that it is arranged in postage meter machine.

Abstract

The proposed method makes possible an "on site" production of postage stamps with objects such as text and/or image, photos or slogans selected by the customer himself. For this purpose, a post office, for example, provides the customer with a device (20) suitable for performing the method according to the invention and also with the basic elements of a franking marking or postage stamp such as the stamp value and necessary safety patterns. The customer inserts subsequently in an interactive way his object into the freely designable area of the postage stamp with the aid of a touch screen (1). If needed, during the postage stamp production the customer can take a photo of himself or another person, of animals or objects by means of a digital camera (2) mounted in the device and can introduce this into the franking marking image. Via a printer (4) the thus generated postage stamp is printed and subsequently dispensed.

(Fig. 1)

Front View

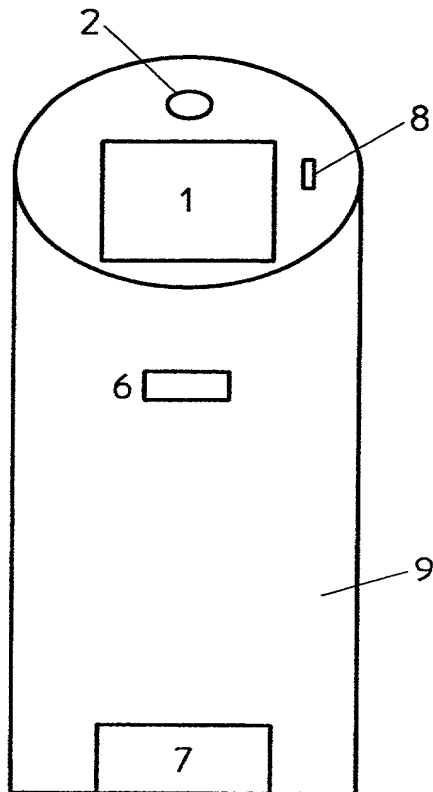


Fig.1

Side View

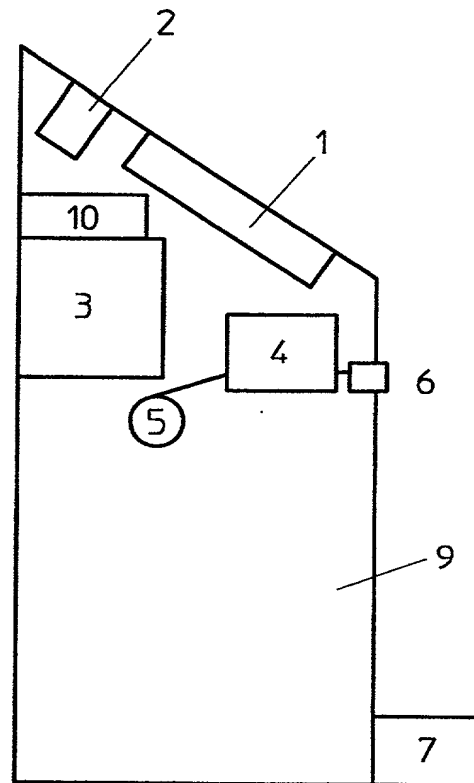


Fig.2

- | | |
|----|------------------------------------|
| 1 | Touch Screen |
| 2 | Camera |
| 3 | Computer |
| 4 | Printer |
| 5 | Paper Roll |
| 6 | Postage Stamp and Change Dispenser |
| 7 | Step for Children |
| 8 | Coin Slot |
| 9 | Body/Cylinder |
| 10 | Coin Changer |

2/4



Fig.3

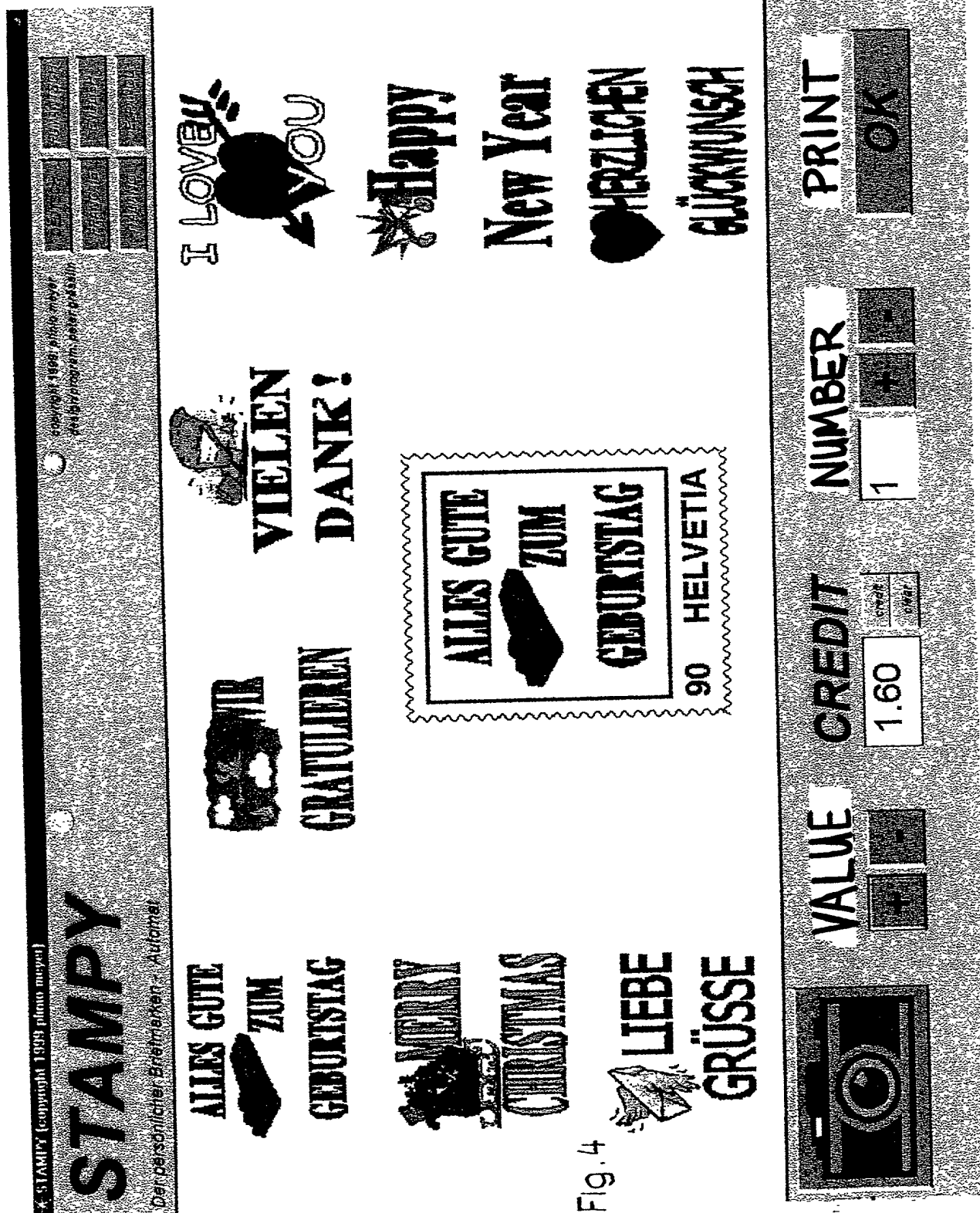


Fig. 4

4/4

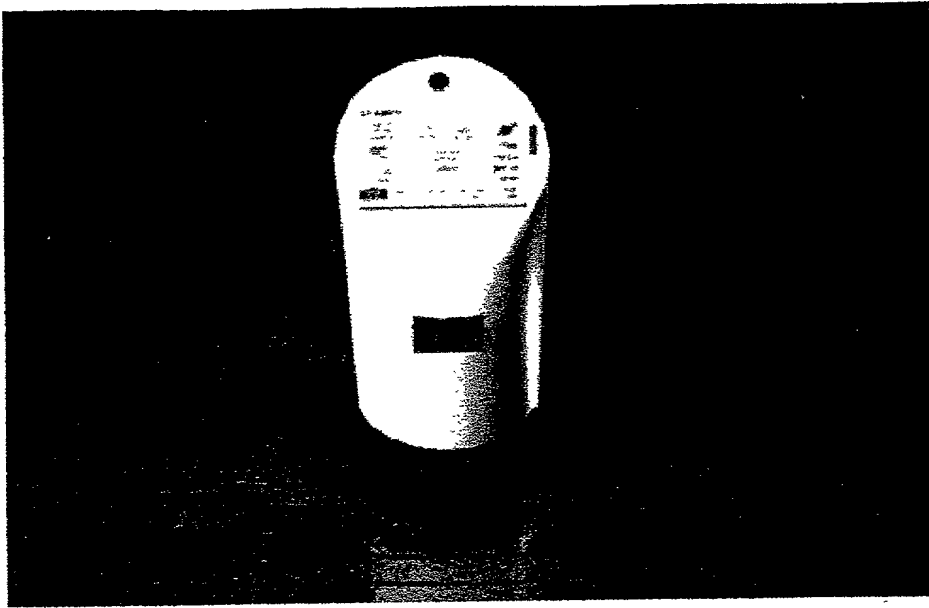


Fig.5

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD FOR PRODUCING FRANKING MARKINGS

the specification of which (check only one item below):

☐

is attached hereto.

☐

was filed as United States application

Serial No. _____

on _____

and was amended

on _____ (if applicable).

☒

was filed as PCT international application

Number PCT/CH00/00192

on APRIL 3, 2000

and was amended under PCT Article 19

on _____ (if applicable).



I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
SWITZERLAND	0640/99	3. APRIL 1999	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

Combined Declaration For Parent Application and Power of Attorney (Continued)
(includes Reference to PCT International Applications)

Docket No.
FE-12

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty of disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (CHECK ONE)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NO.		

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

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2 0 1	FULL NAME OF INVENTOR	<u>Family Name</u> MEYER	<u>First Given Name</u> Plinio	<u>Second Given Name</u>
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	POST OFFICE ADDRESS	<u>Post Office Address</u> Hotel Münsterhof	<u>City</u> CH-7537 Müstair	<u>State & Zip Code</u> Germany

Combined Declaration For Parent Application and Power of Attorney (Continued)
(includes Reference to PCT International Applications)

Docket No.
FE-12

2 0 2	FULL NAME OF INVENTOR	<u>Family Name</u>	<u>First Given Name</u>	<u>Second Given Name</u>
	RESIDENCE & CITIZENSHIP	<u>City</u>	<u>State Or Foreign Country</u>	<u>Citizenship</u>
	POST OFFICE ADDRESS	<u>Post Office Address</u>	<u>City</u>	<u>State & Zip Code</u>

2 0 3	FULL NAME OF INVENTOR	<u>Family Name</u>	<u>First Given Name</u>	<u>Second Given Name</u>
	RESIDENCE & CITIZENSHIP	<u>City</u>	<u>State Or Foreign Country</u>	<u>Citizenship</u>
	POST OFFICE ADDRESS	<u>Post Office Address</u>	<u>City</u>	<u>State & Zip Code</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE OF INVENTOR 201 X P. J. T. #	SIGNATURE OF INVENTOR 202 	SIGNATURE OF INVENTOR 203
DATE X 23. Nov. 2000	DATE 	DATE